

Freeform Search

Database:	<div style="border: 1px solid black; padding: 2px;"> US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins </div>
Term:	<div style="border: 1px solid black; padding: 2px;"> 19 not 17 </div>
Display:	<div style="border: 1px solid black; padding: 2px;">10</div>
Documents in Display Format: <div style="border: 1px solid black; padding: 2px;">-</div>	
Starting with Number <div style="border: 1px solid black; padding: 2px;">20</div>	
Generate: <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image	

Search

Clear

Interrupt

Search History

DATE: Monday, January 30, 2006
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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L10</u>	19 not 17	16	<u>L10</u>
<u>L9</u>	18 and 16 and 12 and 13	33	<u>L9</u>
<u>L8</u>	sperm	33164	<u>L8</u>
<u>L7</u>	15 and 16	17	<u>L7</u>
<u>L6</u>	extender	66464	<u>L6</u>
<u>L5</u>	11 and 12 and 13	71	<u>L5</u>
<u>L4</u>	11 same 12 same 13	2	<u>L4</u>
<u>L3</u>	sex	59990	<u>L3</u>
<u>L2</u>	cryopreserv\$5	4987	<u>L2</u>
<u>L1</u>	sperm cell	1607	<u>L1</u>

END OF SEARCH HISTORY

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Welcome to STN International! Enter x:x

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PASSWORD:

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NEWS 7 DEC 21 IPC search and display fields enhanced in CA/CAPplus with the
IPC reform
NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
USPAT2
NEWS 9 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
INPADOC
NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT
NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV
NEWS 13 JAN 30 Saved answer limit increased

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FILE 'HOME' ENTERED AT 19:30:23 ON 30 JAN 2006

=> file ca, biosis, medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.63

0.63

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FILE 'MEDLINE' ENTERED AT 19:32:09 ON 30 JAN 2006

=> s sperm cell?

L1 7089 SPERM CELL?

=> s cryopreserv?

L2 32071 CRYOPRESERV?

=> s sex

L3 703536 SEX

=> s extender

L4 9579 EXTENDER

=> s l1 and l2 and l3 and l4

L5 0 L1 AND L2 AND L3 AND L4

=> s sperm

L6 147014 SPERM

=> s l2 and l3 and l4 and l6

L7 2 L2 AND L3 AND L4 AND L6

=> d 1-2 ab,bib

L7 ANSWER 1 OF 2 CA COPYRIGHT 2006 ACS on STN

AB Expts. were performed to validate an extraction technique for canine acrosin (EC 3.4.21.10) and to quantitate the acrosin activity of fresh and frozen-thawed spermatozoa. Acrosin activity from fresh spermatozoa differed amongst dogs and was influenced by the interval since previous ejaculation. Freezing and thawing spermatozoa induced a loss of acrosin activity that differed with the **extender** in which the spermatozoa were frozen. The assay of acrosin activity, in conjunction with motility ests., provides a more complete evaluation of the efficacy of seminal extenders in attenuating freezing injury than do motility ests. alone.

AN 100:83444 CA

TI Acrosin activity of canine spermatozoa as an index of cellular damage

AU Froman, D. P.; Amann, R. P.; Riek, P. M.; Olar, T. T.

CS Anim. Reprod. Lab., Colorado State Univ., Fort Collins, CO, 80523, USA

SO Journal of Reproduction and Fertility (1984), 70(1), 301-8

CODEN: JRPFA4; ISSN: 0022-4251

DT Journal

LA English

L7 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

AB Black sea bass *Centropristis striata* L. are protogynous hermaphrodites that develop and spawn as females before changing **sex** to male. Since all fish eventually become males, determining the relationship between **sperm** production, **sperm** quality and seasonal changes in plasma levels of testosterone (T) and 11-ketotestosterone (11-KT) could be useful for identifying appropriate males to maintain as broodstock. Milt and blood samples were collected three times during an 8-week spawning season. Milt volume (3.5 ± 0.76 mL kg⁻¹), **sperm** density ($3.2 \times 10^8 \pm 0.31$ cells mL⁻¹), **sperm** production ($11 \times 10^8 \pm 3.4$ cells kg⁻¹ body weight (BW)) and **sperm** motility ($80 \pm 0.6\%$) were at their highest during the first sampling interval and coincided with the highest 11-KT levels (1.0 ± 0.11 ng mL⁻¹). All of the **sperm** indices decreased to their lowest levels during the final 3 weeks of the study. **Sperm** viability was highly correlated (adjusted R²=0.84) with **sperm** motility. **Sperm cryopreserved** in modified Mounib's **extender** (MME) had the highest post-thaw motility compared with two other extenders. Post-thaw motility of **sperm cryopreserved** in MME was not different from fresh after 90 days of storage. There was no

difference in fertilization rates between fresh (69+/-2.4%) and post-thaw (67+/-4.1%) **sperm** samples taken from the same male or among males. These results demonstrate that the quality of black sea bass spermatozoa is higher earlier in the spawning season and that acceptable post-thaw fertilization rates can be obtained from **cryopreserved sperm**.

AN 2005:102134 BIOSIS
DN PREV200500099168
TI Production and storage of **sperm** from the black sea bass
Centropristis striata L.
AU DeGraaf, James Dana; King, William; Benton, Christopher; Berlinsky, David
L. [Reprint Author]
CS Dept Zool, Univ New Hampshire, Durham, NH, 03824, USA
david.berlinsky@unh.edu
SO Aquaculture Research, (December 22 2004) Vol. 35, No. 15, pp. 1457-1465.
print.
ISSN: 1355-557X (ISSN print).
DT Article
LA English
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